

ABSTRACT

A macro-pixel used in an image rendering process for forming an image using a matrix of macro-pixels. The macro-pixel comprises a plurality of rectilinear parallel rows. All rows extend across the matrix in the same direction and each one of the rows is capable of at least partially adopting at least one of a color state and an off state. The on state includes the presence of color while the off state includes the absence of color. The on state comprises non-key and/or key colors. The non-key colors can be cyan, magenta, yellow, and/or any other color while the key color is normally black. The macro-pixel also includes columns formed by micro-pixels which may be turned on in a predetermined order. The predetermined order permits maximum distance between rows used for key colors and rows used for non-key colors.